U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT
OFR 02-60
Plate 1 of 2
Text accompanies plates

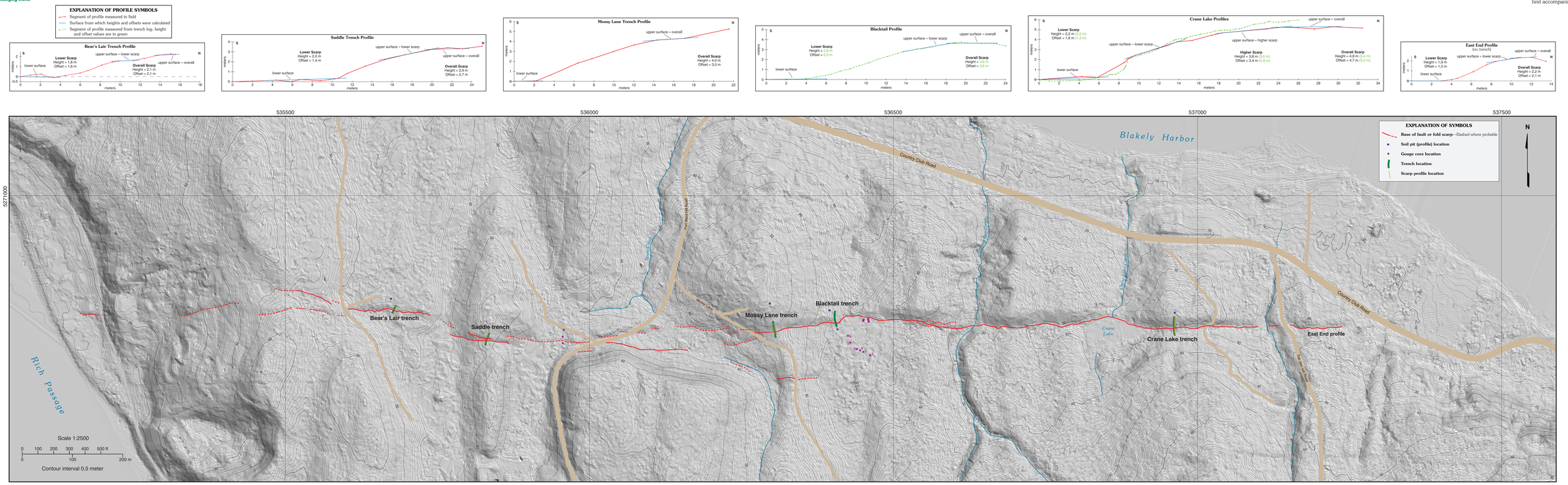
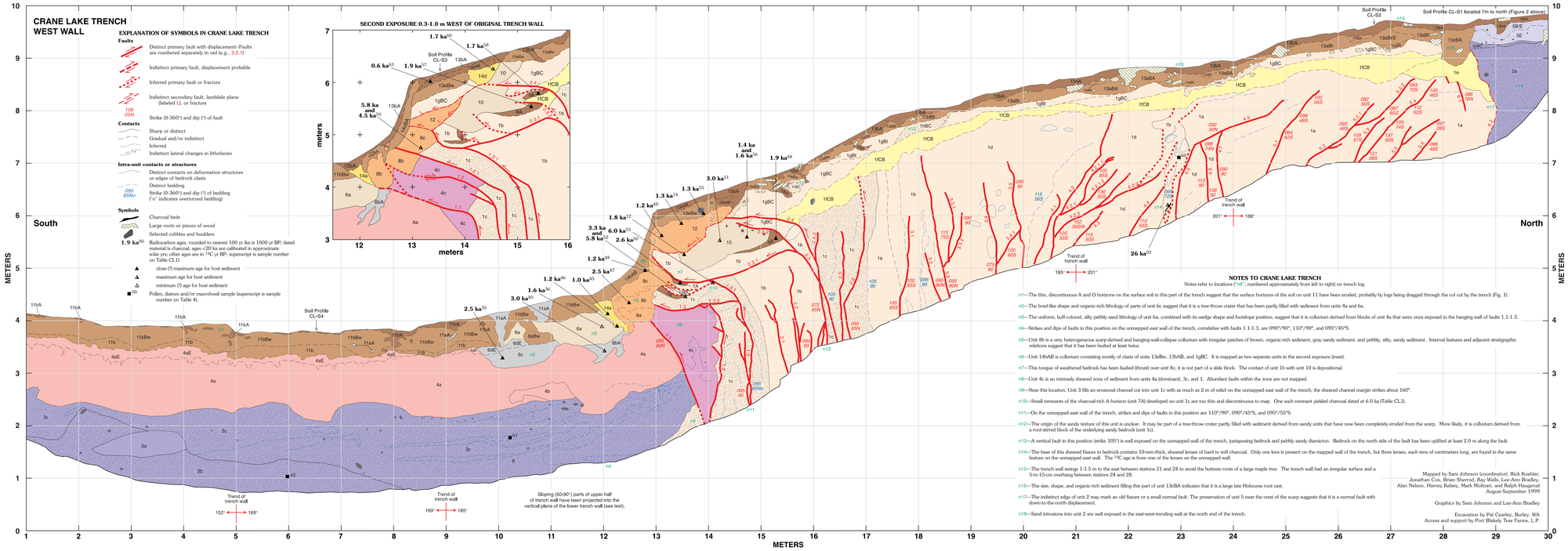


Figure 2. Location of the scarp of the Toe Jam Hill fault on southern Bainbridge Island including exploratory trenches, scarp profiles, soils pits, gouge cores (numbered cores were described in the field), and other data locations (labeled grid is UTM). Location of the study area in the Puget Lowland is shown on location map in accompanying text (Figure 1). Susan Rhea created the contours from ALSM imagery provided by Kitsap County Public Utilities District No. 1. The DEM (digital elevation model; gray-shaded base) was developed from the same imagery by Ralph Haugerud. Roads identifiable on the DEM are marked in light tan. Place names are from USGS Bremerton East 7.5′ quadrangle and Ellendahl (1992). Trench names and "Mossy Lane" are informal names used in this study. Scarp profiles at top of plate shown by a solid red line were measured prior to trenching with a rod and digital level (methods of Machette, 1989; red dots show end points of profile segments). The Blacktail profile and the higher of the two Crane Lake profiles (green dashed lines) were traced from the top of the Blacktail and Crane Lake trench logs. Blue lines are surfaces from which scarp heights and offsets were measured (methods of Machette, 1989).



FIELD AND LABORATORY DATA FROM AN EARTHQUAKE HISTORY STUDY OF THE TOE JAM HILL FAULT, BAINBRIDGE ISLAND, WASHINGTON

By

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